



Guardian Trainer

OM UAV Systems

Guardian-T is a fully Mini Fixed Wing aircraft. It is an ideal aircraft for providing training for mini UAVs. Since UAVs are expensive aircraft it is strongly recommended that the training for landing and takeoff should be provided on Guardian-T. Guardian-T has 5-Channel RC control identical to mini UAV. It can be switched between Full Manual Mode and FBW mode. The UAV is electrically powered and has a very low dB level. For ease of operation the aircraft is capable of hand launch and normal ground landing. The airframe is made of Elasto-Polymer foam and Carbon Fiber Composites

Physical Specifications:

Wingspan	:	1650mm
Length	:	1200mm
Height	:	100mm
Flying Weight	:	1500 gms
Propulsion	:	150Watt BLDC Motors @11.1 Volt
Propeller	:	9x6 Fiber Reinforced Nylon
Flying Battery	:	Lithium-Ion 11.1 Volt, 6400 mAh, Discharge @ 2A.

Flying Characteristics

Range	:	Visual Range
Endurance	:	25 Mins + 5 Mins reserve for failsafe
Cruise Speed	:	42 Km/Hr
Max Speed	:	50 Km/Hr
Stall Speed	:	35 Km/Hr
Max Wind	:	20 Km/Hr
Altitude	:	Visual Range

Capabilities

- Has Manual over ride at any stage
- Switchable navigation lights

Standard Package

- Guardian-T Aircraft 1 Nos
- Li-Ion Battery 1 Pack
- Microprocessor based battery charger
- Radio Control Transmitter
- Mini Tool Kit
- Semi Ruggedized Carry Box (Optional)

Radio Control Link

Encoding	:	PPM
Modulation	:	FHSS
Freq Band	:	2.4 Ghz
Max Rf Output	:	100mW
Channels	:	8
Range	:	1 Km when airborne
Display	:	Back-Lit LCD panel on Tx
Battery	:	Li-Poly 11.1V, 2650 mAh (10 Hrs continuous operations)





Guardian Trainer



Our other products...



Curiosity Quadcopter UAV



Guardian Civilian UAV



Baaz Mini UAV



Curiosity Plus Quadcopter UAV



Kisan Crop Duster



Solo Multicopter



Surveyor-I



Pushpak Hexacopter



Kasper Autonomous 4WD Rover

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